Declaration and Power of Attorney for Patent Application English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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the specificatio	the specification of which								
(check one)	(check one)								
[X] []									
	and was amer	nded on(if	applicable)						
including the cl	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section								
I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.									
Prior Foreign A	pplication(s)			Priority Not Claimed					
980134 (Number)		Ireland (Country)	25 February 1998 (Day/Month/Year Filed)	_ []					
980668	·	Ireland	12 August 1998	_ []					
(Number)		(Country)	(Day/Month/Year Filed)	_ []					

I hereby claim the benefit under 35 U listed below:	I.S.C. Section 119(e) of any United	States provisional application(s)
(Application Serial No.)	(Filing I	Date)
(Application Serial No.)	(Filing I	Date)
(Application Serial No.)	(Filing I	Date)
I hereby claim the benefit under 35 U. 365(c) of any PCT International applications under a policities and the claims of the claims of the claims of the manner acknowledge the duty to disclose to the to me to be material to patentability as between the filing date of the prior application:	cation designating the United States of this application is not disclosed in er provided by the first paragraph of the United States Patent and Traden s defined in Title 37, C.F.C., Section	s, listed below and, insofar as the the prior United States or PCT 35 U.S.C. Section 112, I nark office all information known 1.56 which became available
PCT/IE99/00012 (Application Serial No.)	25 February 1999 (Filing Date)	Pending (Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

David G. Conlin George W. Neuner Linda M. Buckley Peter J. Manus Peter F. Corless	Reg. No. 27,02 Reg. No. 26,96 Reg. No. 31,00 Reg. No. 26,76 Reg. No. 33,86	4 3 6	Christine C. O'Day Robert L. Buchanan David E. Tucker Lisa Swiszcz Hazzard George W. Hartnell	Reg. No. 38,256 Reg. No. 40,927 Reg. No. 27,840 Reg. No. 44,368 Reg. No. 42,639
Cara Z. Lowen William J. Daley, Jr.	Reg. No. 35,48 Reg. No. 35,48	7	Jennifer K. Holmes Kerri Pollard Schray	Reg. No. 46,778 Reg. No. 47,066
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Direct Telephone Calls to (name and telephone no		Peter F. Corles: Telephone: Facsimile:	s (617) 523-3400 (617) 523-6440	
Full name of sole or first in	ventor			
Margaret O'BRIEN Sole or first inventor's sign	ature			Date:
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Second inventor's signatur	- Berne	ogle		Date: 24/18/00
Residence 37 Castleknock Crescen	nt. Castleknock (Co. Dublin, Irelan		/ /
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-	Full name of third inventor	
·	Kathleen A. QUANE	Dete
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	Ireland	
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=	Full name of sole or fourth inventor	
=	Tall Harris St. Solle St. Tall Harris St. Tall H	
	David M. JENKINS	Date:
	Fourth inventor's signature	
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	Full name of fifth inventor	
	Full Haille of Hitti Hittorico.	
ı	Tommie V. McCARTHY	Date:
	Fifth inventor's signature	
	Tonnie Mc Carthy	
	Residence	
	And Agus Manatanetta Coric Ireland	
	Vista Villa, Montenotte, Cork, Ireland Citizenship	
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	Ireland	
	Post Office Address	
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the specification of which (check one) corresponds to PCT/IE99/00012, filed February 25, 1999. [X] was filed on as United States Application No. or PCT Application No. and was amended on (if applicable) Lhereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed. Priority Not Claimed Prior Foreign Application(s) 25 February 1998 Ireland 980134 (Day/Month/Year Filed) (Country) (Number) [] [] (Number) (Country) (Day/Month/Year Filed)

listed below:		
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(Application Serial No.)	(Filing	Date)
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(Application Serial No.)	(Filing	Date)
I hereby claim the benefit under 35 U. 365(c) of any PCT International application application in the claims of International application in the manner acknowledge the duty to disclose to the to me to be material to patentability as between the filing date of the prior application:	cation designating the United State of this application is not disclosed in er provided by the first paragraph or the United States Patent and Trade s defined in Title 37, C.F.C., Section	es, listed below and, insofar as the in the prior United States or PCT if 35 U.S.C. Section 112, I mark office all information known in 1.56 which became available
PCT/IE99/00012	25 February 1999	Pending
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Same As Above

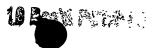
POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

17/		:			
\7 ·	David G. Conlin George W. Neuner Linda M. Buckley Peter J. Manus Peter F. Corless Cara Z. Lowen William J. Daley, Jr.	Reg. No. 27,02 Reg. No. 26,96 Reg. No. 31,00 Reg. No. 33,86 Reg. No. 38,22 Reg. No. 35,48	64 03 66 60 27	Christine C. O'Day Robert L. Buchanan David E. Tucker Lisa Swiszcz Hazzard George W. Hartnell Jennifer K. Holmes Kerri Pollard Schray	Reg. No. 38,256 Reg. No. 40,927 Reg. No. 27,840 Reg. No. 44,368 Reg. No. 42,639 Reg. No. 46,778 Reg. No. 47,066
	Send Correspondence	to:	Dike, Bronste 130 Water Str	ANGELL, LLP in, Roberts & Cushman, II	P Group
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L	Full name of sole or first i	nventor			
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	Ireland				
	Post Office Address				
	Same As Above				
	Full name of second inve	entor			
	John BERMINGHAM				
$\sim \Sigma$	Second inventor's signatu	ure			Date:
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	37 Castleknock Cresce	ent, Castleknock	Co. <u>Dublin, I</u> rel	and TEX	
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5	Kathleen A. QUANE Third inventor's signature	Date:
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1Z	Full name of sole or fourth inventor	
0		
V DV	David M. JENKINS Fourth figventor's signature	Date:
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L.J.		
3		
/	Full name of fifth inventor	
چ	Tommie V. McCARTHY	
5,5	Fifth inventor's signature	Date:
	Tommie Mc Carthy	10.10.2000
	Residence	
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-	Citizenship	
	Ireland	
	Post Office Address	

Same As Above





23 JAN 2001

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Practitioner's Docket No.

55043

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

M. O'Brien et al.

Serial No.:

Not Yet Assigned

Group No.:

Not Yet Assigned

Filed on:

Herewith

Examiner:

Not Yet Assigned

For:

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GENE

STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(b)--NONPROFIT ORGANIZATION

I hereby	state tha	it I am	an official	empowered	to a	act on	behalf	of the	nonprofit	organization
identified below:									•	Ü

identified belo	w.
	rofit Organization National University of Ireland, Cork nprofit Organization College Road, Cork, Ireland
TYPE OF NO	NPROFIT ORGANIZATION
[x]	University or Other Institution of Higher Education
[]	Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501 (c)(3))
[].	Nonprofit Scientific or Educational Under Statute of State of the United States of America (Name of State
	(Citation of Statute
[]	Would Qualify as Tax Exempt Under Internal Revenue Service Code (26 USC 501(a) and 501(c)(3)), if Located in the United States of America
[]	Would Qualify as Nonprofit Scientific or Educational Under Statute of State of the United States of America if Located in the United States of America (Name of State
	(Citation of Statute
as defined in 37	y state that the nonprofit organization identified above qualifies as a nonprofit organization, CFR 1.9(e), for purposes of paying reduced fees to the United States Patent and Trademark ections 41(a) and (b) of Title 35, United States Code, with regard to the invention described

- the specification filed herewith, with title as listed above.
- [X] the application identified above.
- [] the patent identified above.

I hereby state that rights under contract or law have been conveyed to, and remain with, the nonprofit organization, with regard to the above identified invention.

If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 C.F.R. 1.9(c), if that person made the invention, or by any concern that would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e)



*NOTE: Separate statements are required from each named person, concern or organization having rights to the invention as to their status as small entities. (37 CFR 1.27).

Each such person, concern or organization having any rights in the invention is listed below:

	[X]	No such person, concern, or organizate Each such person, concern or organizate		
Name		<u> </u>		
				
[]INDI	VIDUAL	[] SMALL BUSINESS CONCERN	[] NONPROFIT ORGANIZATION	
				-
[] INDI	VIDUAL	[] SMALL BUSINESS CONCERN	[] NONPROFIT ORGANIZATION	_
the iss	ng in los ue fee c	owledge the duty to file, in this applic s of entitlement to small entity status pr or any maintenance fee due after the of 7 CFR 1.28(b))	ior to paying, or at the time of payi	ng, the earliest of
		(check the following	g item, if desired)	
NOTE:		lowing verification statement need not be made i z. 52131, effective December 1, 1997.	n accordance with the rules published on a	October 10, 1997, 62
NOTE:	whether 10.18(b) under §	resentation to the Office (whether by signing, fi a practitioner or non-practitioner, constitutes a (2) of this chapter by a party, whether a practitio 10.18(c) of this chapter. Any practitioner violation and 10.23(c)(15). "37 CFR 1.4(d)(2).	i certification under § 10.18(b) of this cha ner or non-practitioner, may result in the in	apter. Violations of § apposition of sanctions
[]	stateme were in fine or such w	by declare that all statements made he ents made on information and belief are hade with the knowledge that willful fals imprisonment, or both, under Section I willful false statements may jeopardize to, or any patent to which this verified sta	believed to be true; and further that se statements and the like so made a 1001 of Title 18 of the United State the validity of the application, an	t these statements are punishable by es Code, and that
Title in	Organiz	ration	Fireland, Cork	- - -
SIGNA	ATURE_	Colle	Date	16/11/2000
